SQL DAY2 LAB Assignment

1. Create table named department with following columns

(Dep\_id int,

dep\_name varchar,

dep\_location varchar )

a. Add primary key to Dep\_id column

b. Add Default constraint to dep\_location with default value

‘Mumbai’

c. Add NOT NULL constraint to dep\_name column

ANSWER:=>

command=>create table department

-> (

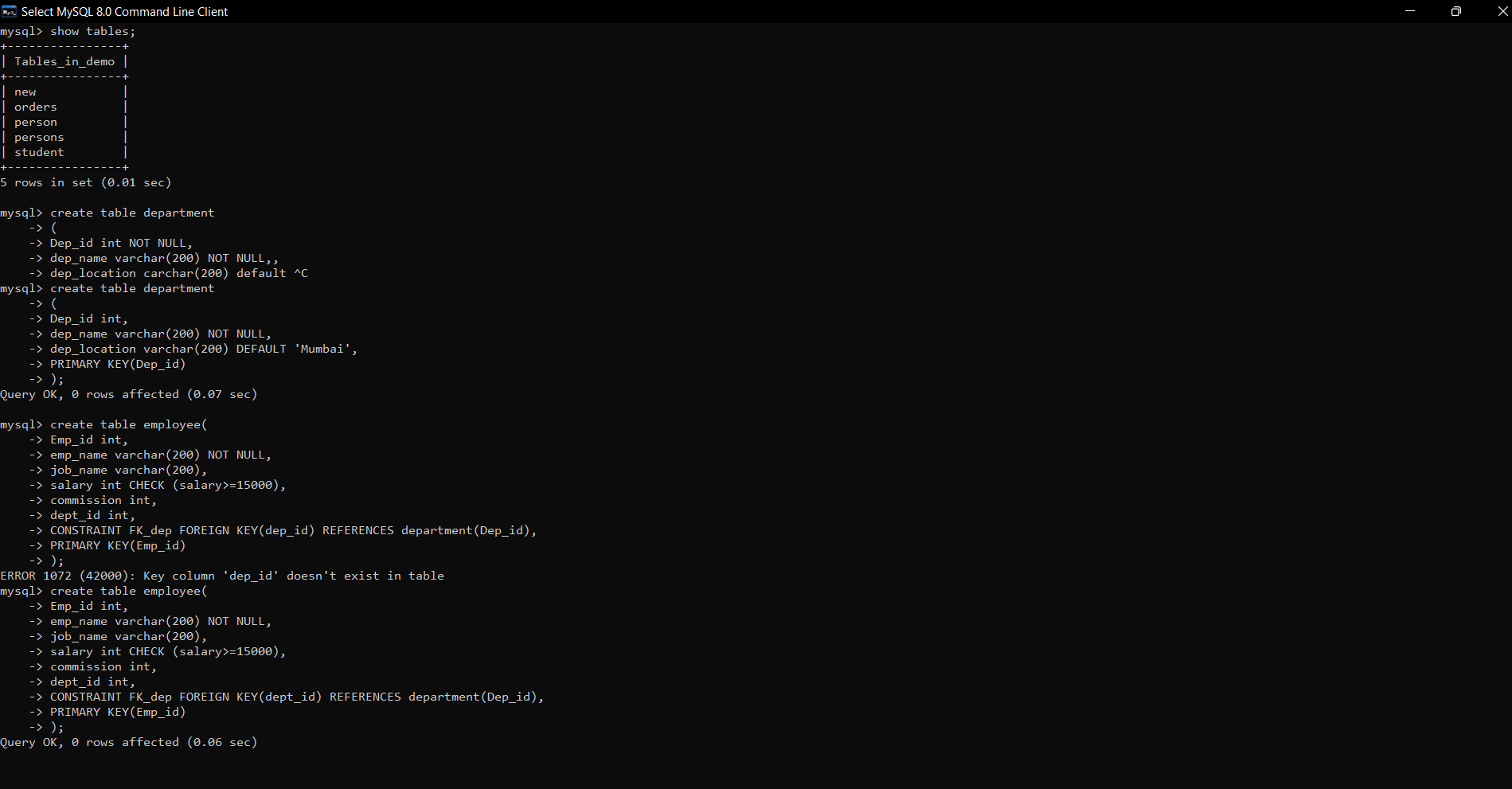
-> Dep\_id int,

-> dep\_name varchar(200) NOT NULL,

-> dep\_location varchar(200) DEFAULT 'Mumbai',

-> PRIMARY KEY(Dep\_id)

-> );



2. Create table named Employee with following columns

(Emp\_id int,

emp\_name varchar,

job\_name varchar,

salary int,

commission int,

dep\_id int )

a. Add primary key to Emp\_ID column

b. Add foreign key to dep\_id column in employee table referring

department column primary key

c. Add check constraint to salary column where salary greater than or

equal to 15000

d. Add NOT NULL constraint to emp\_name column

Command=> create table employee(

-> Emp\_id int,

-> emp\_name varchar(200) NOT NULL,

-> job\_name varchar(200),

-> salary int CHECK (salary>=15000),

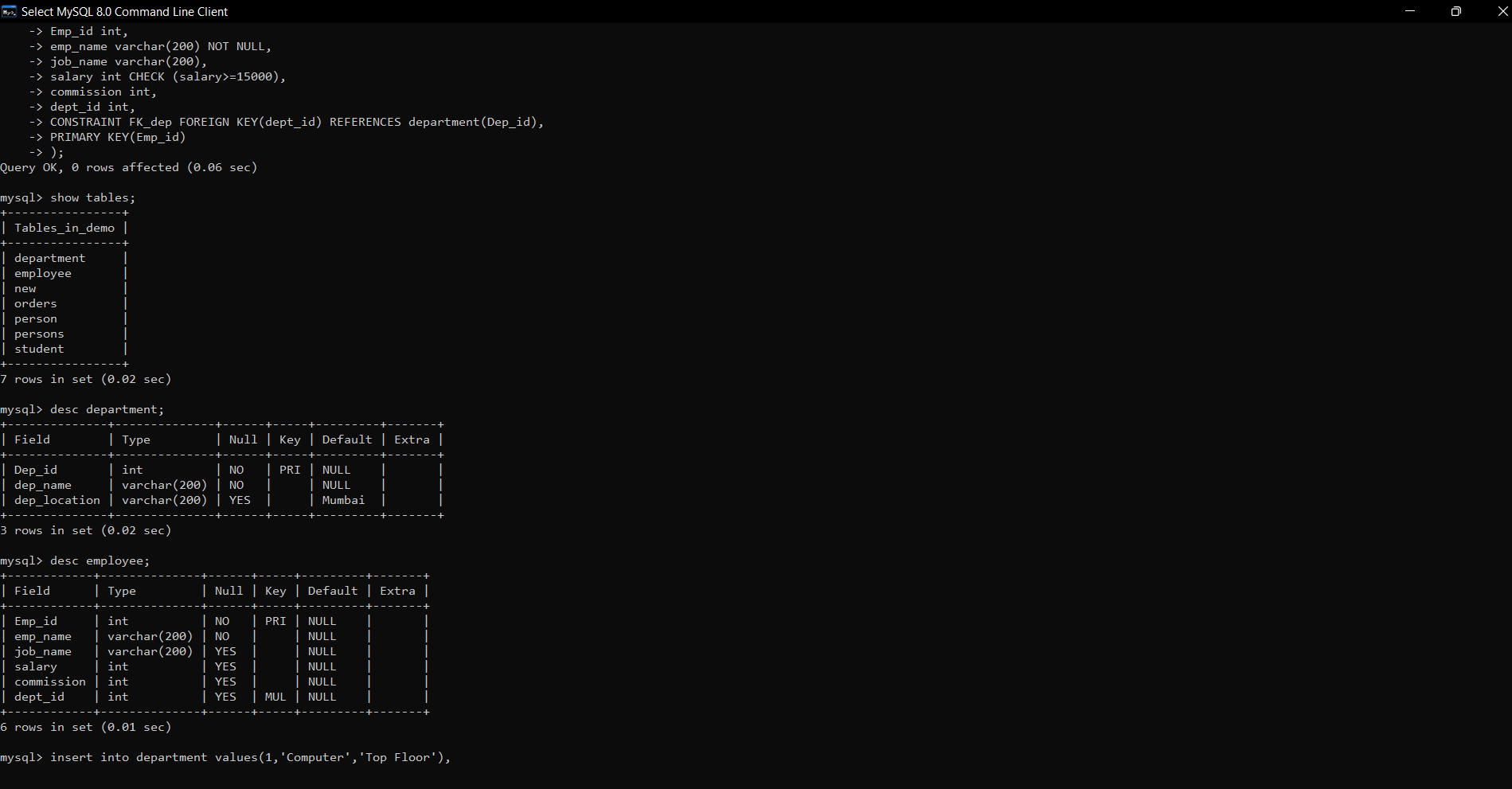
-> commission int,

-> dept\_id int,

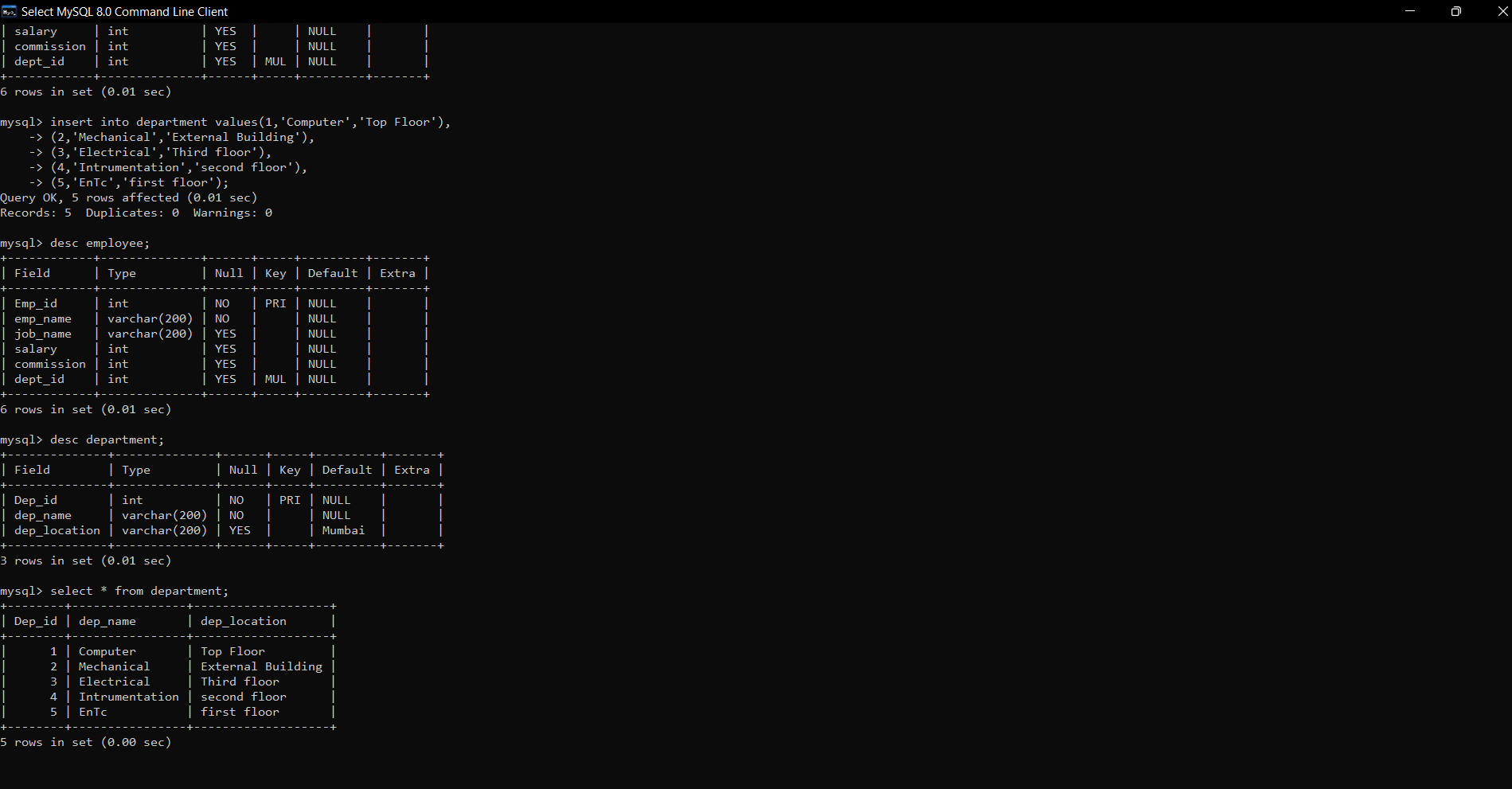
-> CONSTRAINT FK\_dep FOREIGN KEY(dept\_id) REFERENCES department(Dep\_id),

-> PRIMARY KEY(Emp\_id)

-> );

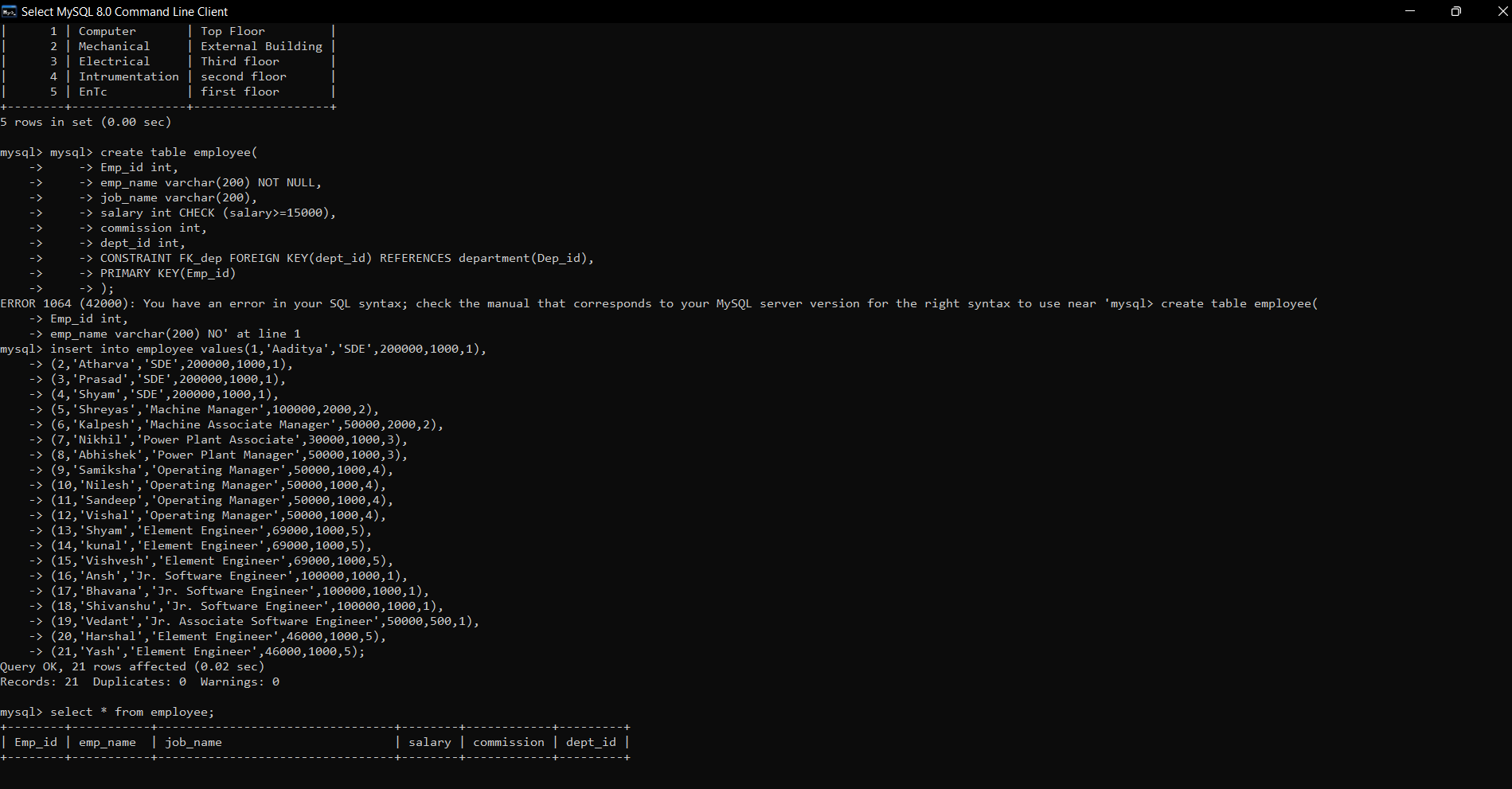


3. Insert 5 Different records in Department table



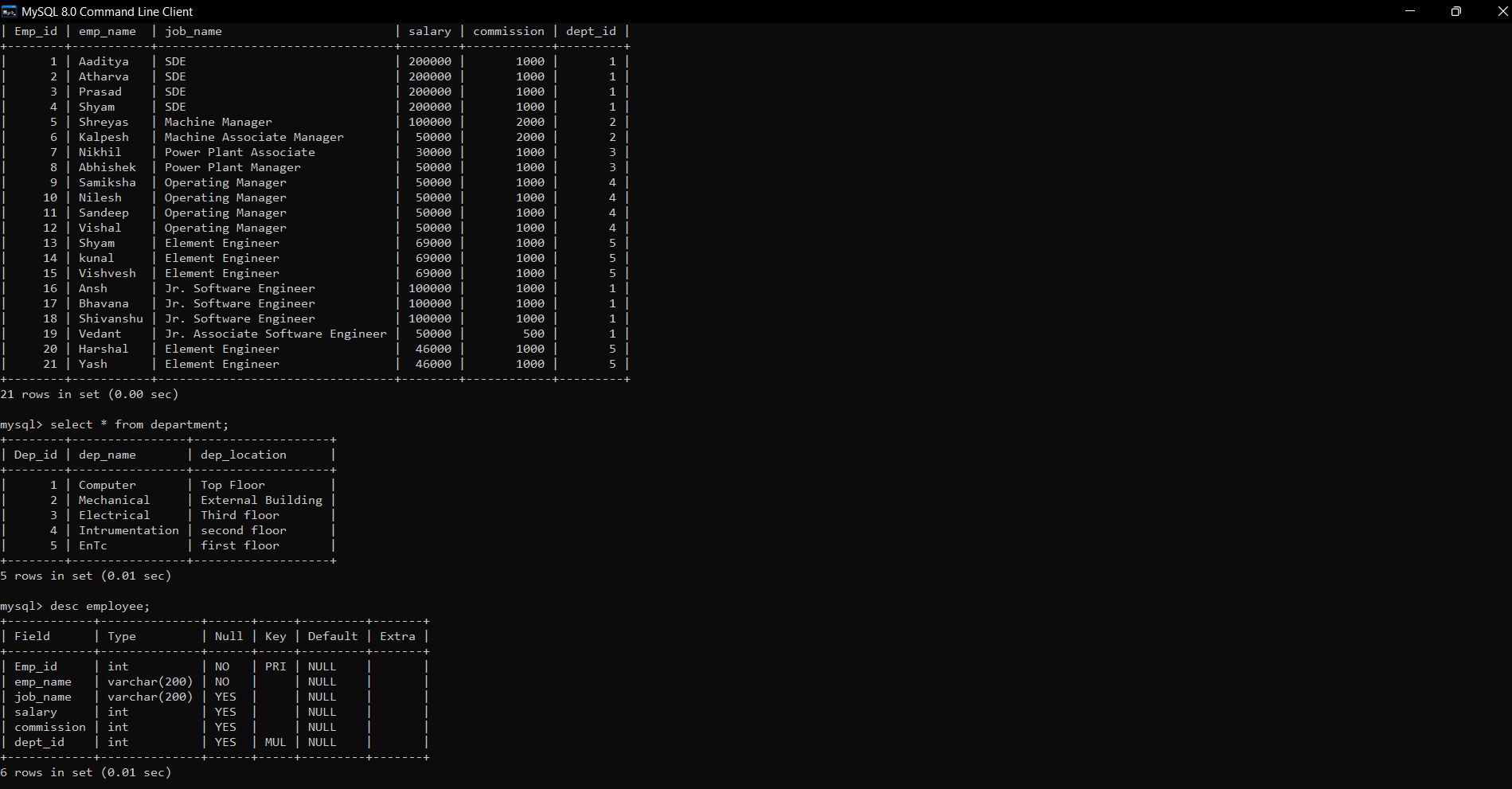
4. Insert 20 Different records in Employee table where few

employees can belong to same department



5. Display all the records from department table

Command=>select \* from department;



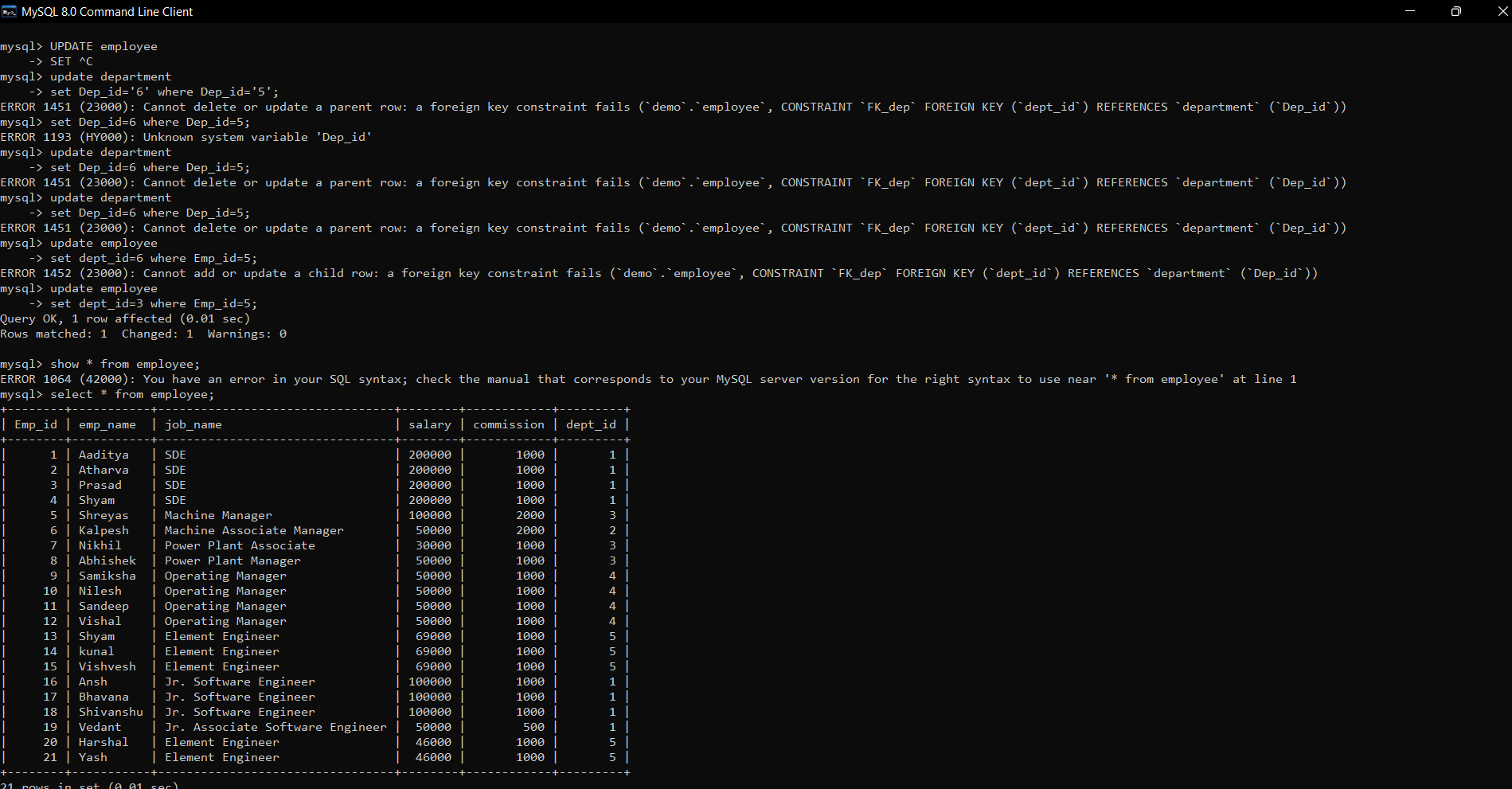
6. Update Department id to a new value to any existing department and

Command=> UPDATE department set Dep\_id=6 where Dep\_id=5;

7. Display all the records from employee table

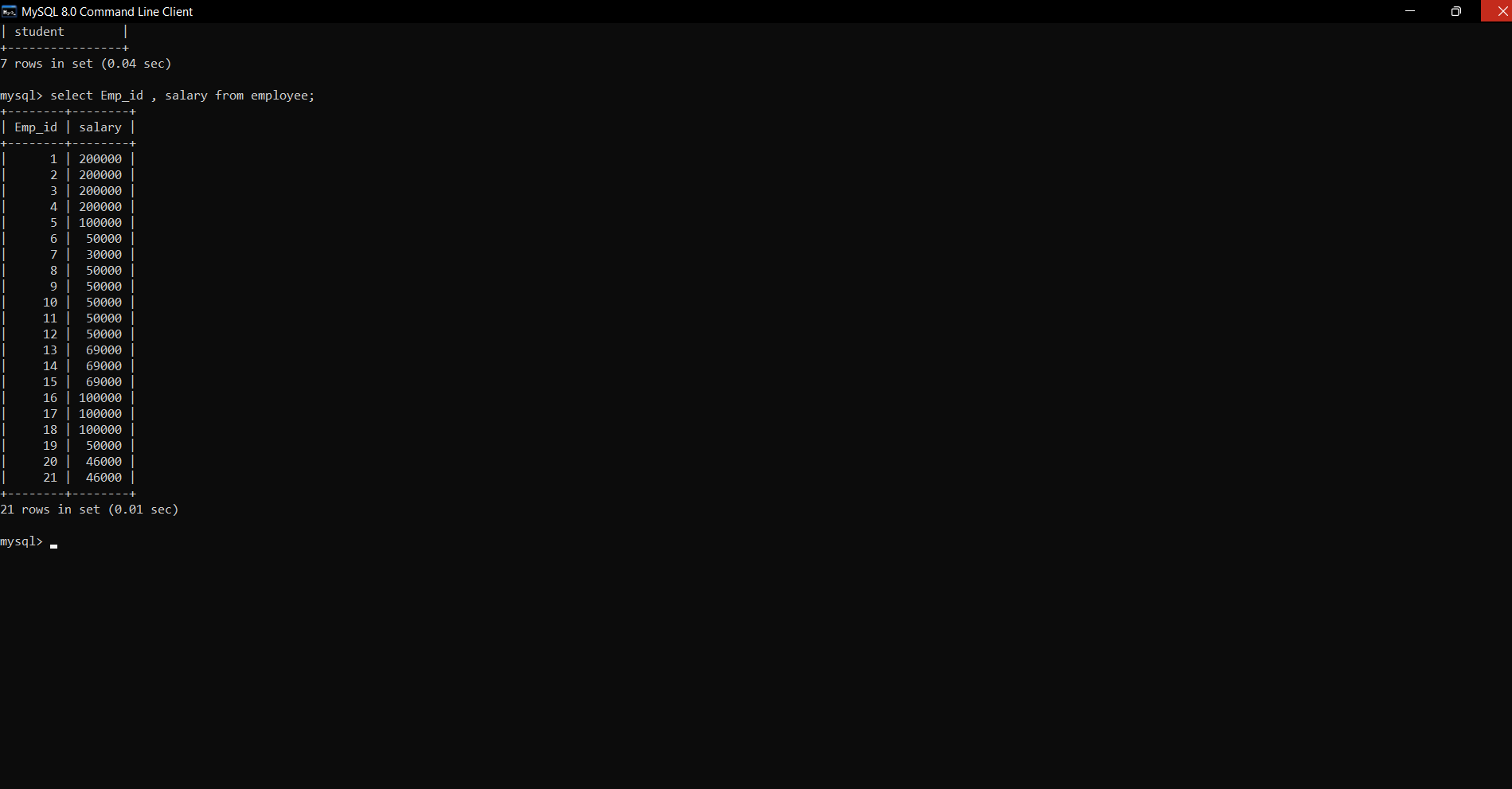
Command=> select \* from employee;

Same Answer:-



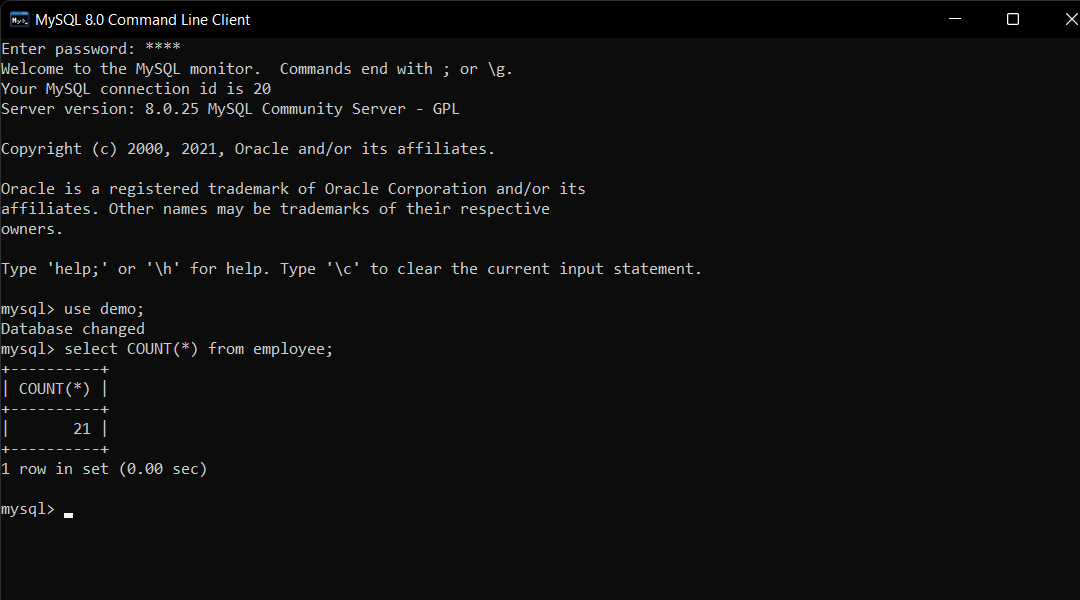
8. Display Employee ID and salary of all employees AND

Select Emp\_id , salary from employee;



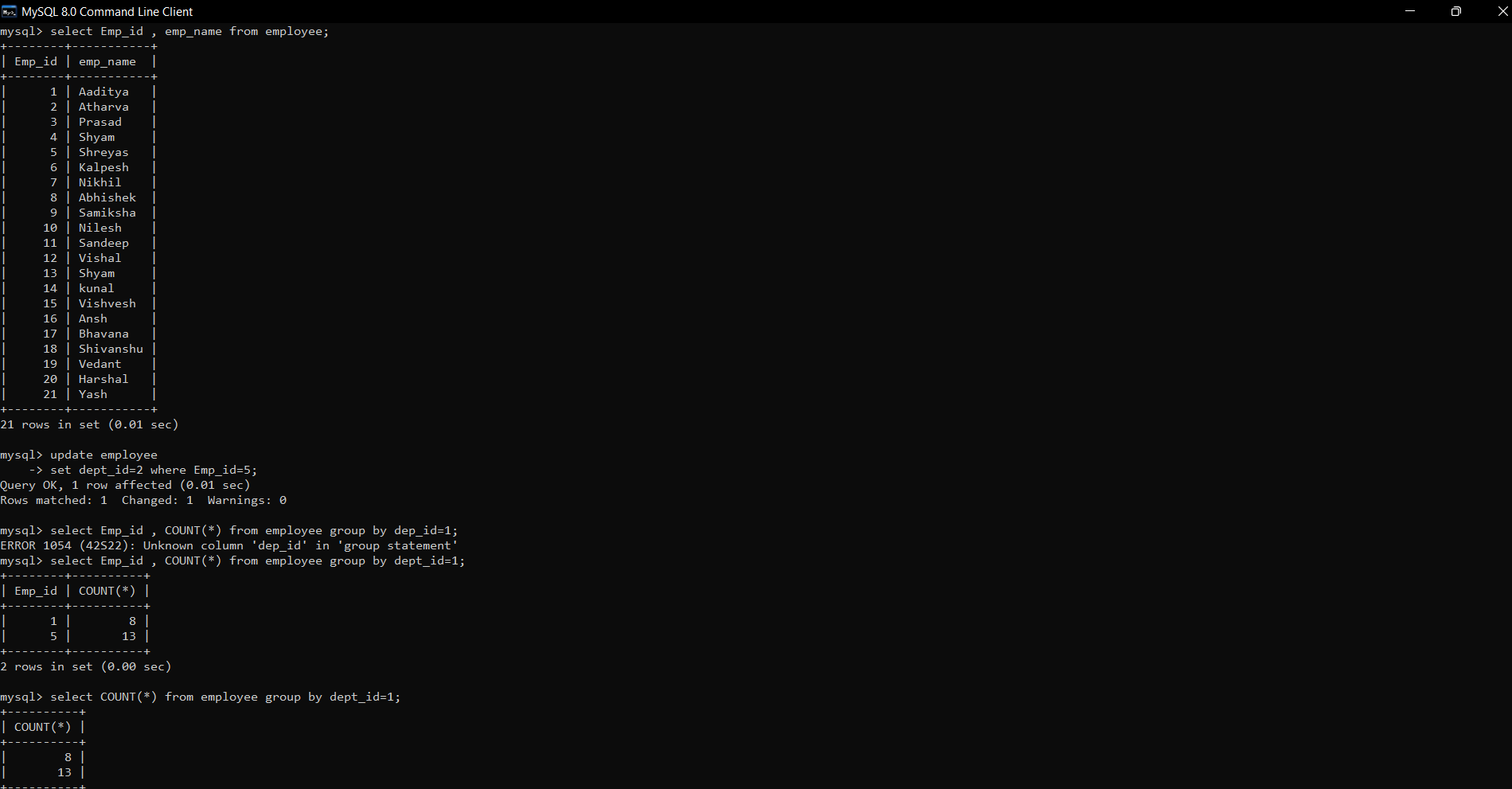
9. Display count of records from employee table AND

Command=> select COUNT(\*) from employee;

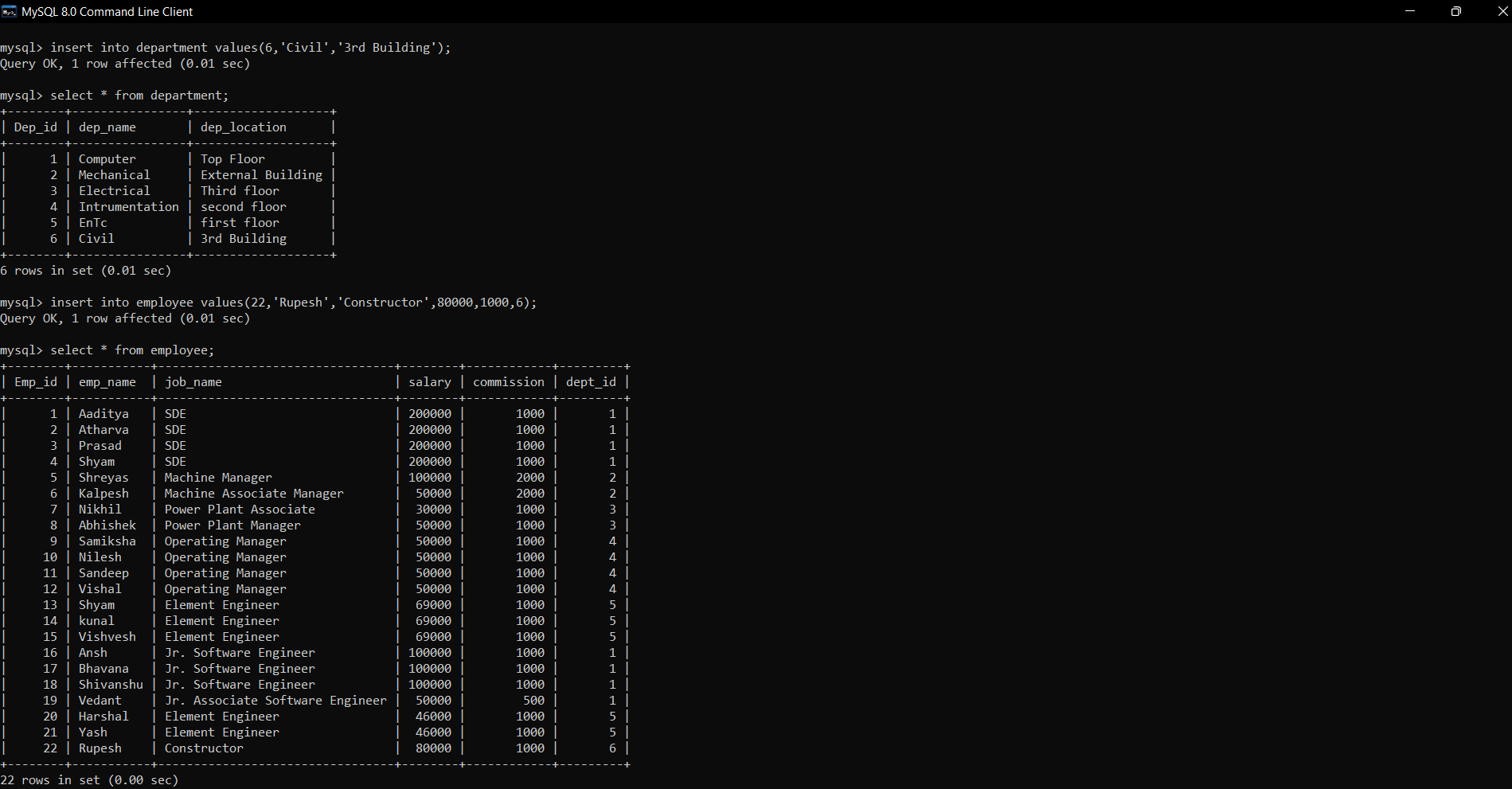


10. Display count of records from employee table for a particular department

Command=> select COUNT(\*) from employee group by dept\_id=1;



11. Add a new record in the Department Table and add new employee in that table with new department added in department table

Answer:- 

12. Find the max(salary) and min(salary) from employee table

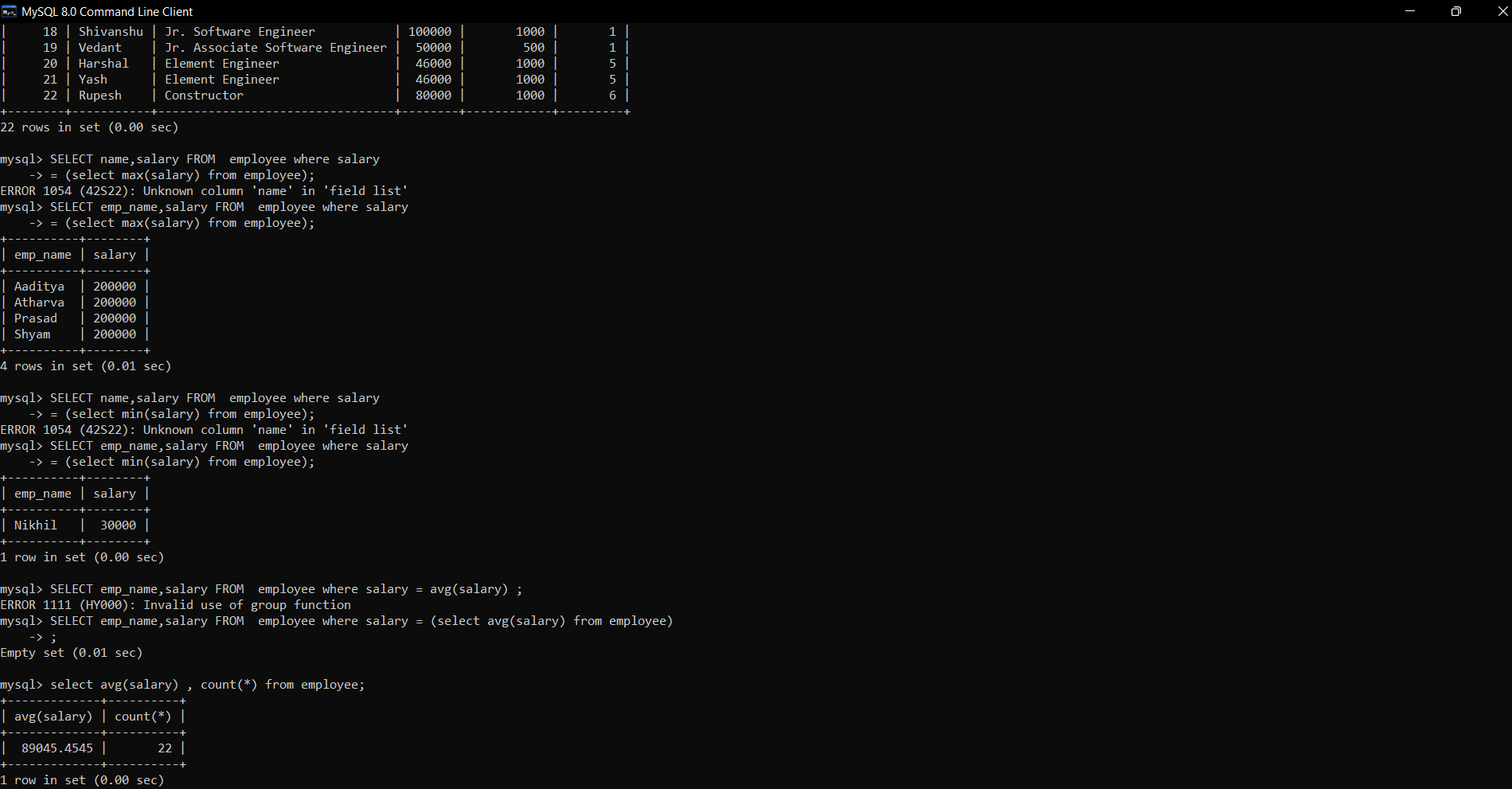
Command=>

select emp\_name , salary from employee where salary=(select max(salary) from employee);

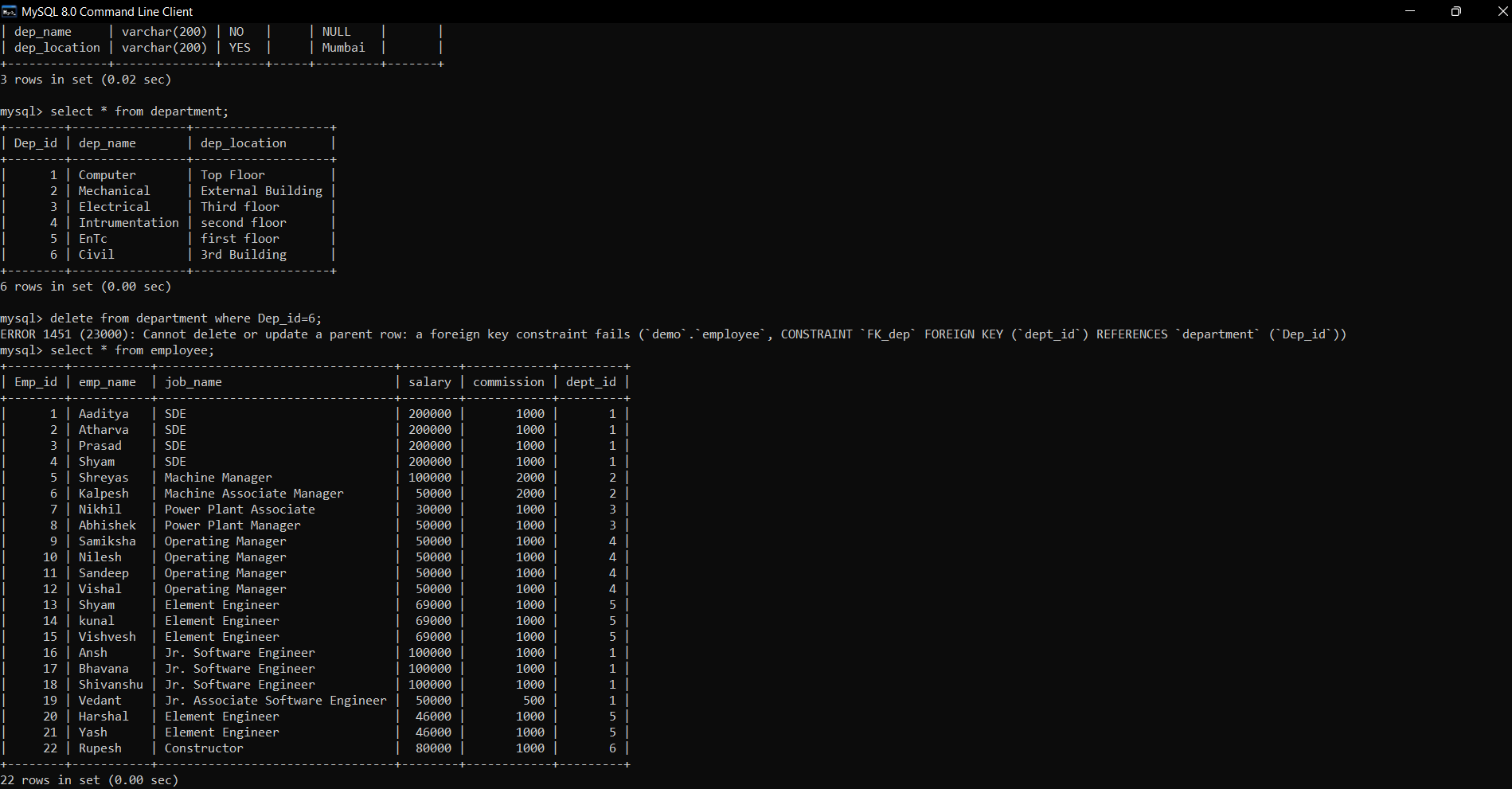
select emp\_name , salary from employee where salary=(select min(salary) from employee);

13. Find the avg(salary) from employee table

ANSWER:- select avg(salary) ,count(\*) from employee;



14. Try to delete a record from department table where employees are assigned to that department in the employee table



15. Try to delete the employee table record 1 st then delete that department from department table

Command=> delete from employee where dept\_id = 6;

Delete from department where Dep\_id=6;

